

# WL and WFIRST

“If the systematic errors are at or below the level asserted by the proponents, it is likely to be the **most powerful individual** Stage-IV technique and also the **most powerful component** in a multi-technique program.” – DETF

- We are designing WFIRST to address and mitigate the systematics errors
- Many believe the errors *cannot* be mitigated from the ground
- Euclid is not yet approved and if we are hoping to create the strongest mission possible for negotiations, weak lensing must be a part of WFIRST

# WL capability

- Key to 'other science' in HLS
  - Resolution
  - Number of filters in HLS
    - 3 filters necessary for non-DE HLS science
    - 3 filter BAO survey has less area per year
    - 3 filter BAO survey taxes filter wheel and downlink
- Photo-zs for LSST (and shape calibration)
- Galactic Survey confusion takes hit from resolution loss